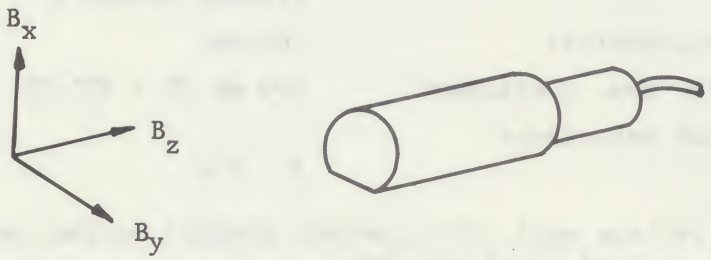
F.W. BELL INC.	SPECIFICATIONS 3-AXIS HALL-PAK	MODEL BH-703



The BH-703 HALL-PAK consists of three matched Hall elements mounted mutually perpendicular to each other and molded into a small epoxy package. This unit makes it possible to measure the three orthogonal components (B_x, B_y, B_z) of a magnetic field vector without the need for probe repositioning. The magnitude of the vector is found by extracting the square root of the sum of the squares of the three components.

$$|B| = \sqrt{B_x^2 + B_y^2 + B_z^2}$$

If the field direction is also required, the direction angles can be calculated as follows:

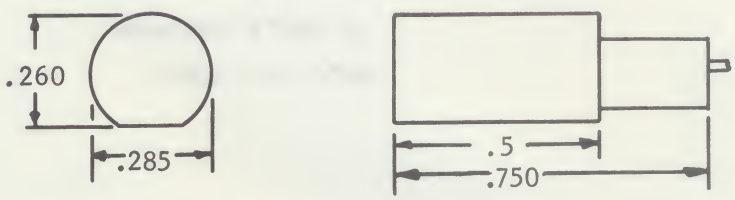
$$\alpha = \cos^{-1} \frac{B_x}{B}$$

$$\beta = \cos^{-1} \frac{B_y}{B}$$

$$\gamma = \cos^{-1} \frac{B_z}{B}$$

Where α, β and γ are the angles between the magnetic field vector, B, and the X, Y and Z directions respectively.

The dimensions of the probe are as follows:



A flat reference surface is provided parallel to the Y-Z plane. The three Hall elements are contained within a .160" cube spaced .050" from the end of the probe and .025" from the reference surface.

PRELIMINARY SPECIFICATIONS

MODEL BH-703	SPECIFICATIONS 3-AXIS HALL-PAK

Angularity	The Hall plates are mutually perpendicular within 2°
Control current, nominal	100 mA
Control current, max. continuous	300 mA (T = 25° C)
Input and output resistance at B = 0	1 - 2 Ω

The following ratings apply for constant control current of 100 mA, all three elements excited simultaneously:

Sensitivity constant, K_{lin} (when terminated into optimum load, R_{lin})	7.5 mV/kG ±20%
Sensitivity constant matching between X, Y and Z elements	within 1%
Resistive Null Voltage (B = 0, I_c = 100 mA)	100 μV maximum
Linearity, percent of reading	Within ±1% from -10 kG to +10 kG (with resistive null voltage compensated to zero and with R_{lin} termination)
	NOTE: For high-field applications, ±2% of reading linearity from -30 kG to +30 kG is available on special order. The value of R_{lin} is specified for each element. R_{lin} does not exceed 50 Ω for the 10 kG range or 150 Ω for the 30 kG range.
Temperature Dependence:	
of Hall Voltage	-.03%/° C maximum
of Resistance	+.15%/° C approximate
of Null Voltage	.5 μV/° C maximum
Temperature Range	-40° C to +100°C

PRELIMINARY SPECIFICATIONS

When You Think of Practical Hall Effect Applications — Think of Bell

BELL INC.
1356 Norton Avenue
Columbus, Ohio 43212
Phone (614) 294-4906
TWX 614-759-0193

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Please continue to send up-to-date information on these F. W. Bell products:

- ☐ GAUSSMETERS
- ☐ HALL GENERATORS
- ☐ PROXIMITY TRANSDUCERS
- ☐ MULTIPLIERS/WATTMETER TRANSDUCERS
- ☐ NONDESTRUCTIVE TESTING INSTRUMENTS
- ☐ INDUSTRIAL MAGNET PROCESSING SYSTEMS

Have representative call ☐ My interest is: Immediate ☐ Future ☐ For reference only ☐

NAME_____ TITLE_____

Dept., Div., or Mail Drop_____ Phone No. _____

COMPANY_____

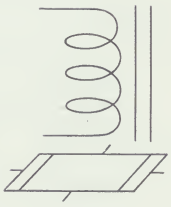
ADDRESS_____

CITY_____ STATE_____ Z.I.P. CODE NO._____

F.W. BELL INC.

SHORT FORM CATALOG

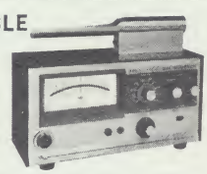
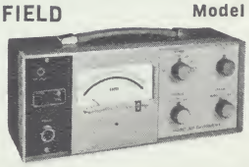
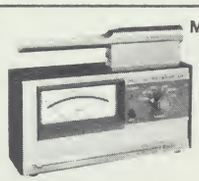
HALL EFFECT GAUSSMETERS
STANDARD and SPECIAL PROBES
HALL GENERATORS
MAGNET PROCESSING SYSTEMS
NONDESTRUCTIVE TESTING INSTRUMENTS
HALL EFFECT MULTIPLIERS
WATTMETER TRANSDUCERS
WIDEBAND WATTMETERS



ELECTRONIC DESIGN • DEVELOPMENT • MANUFACTURING

F.W. BELL INC.

HALL EFFECT GAUSSMETERS

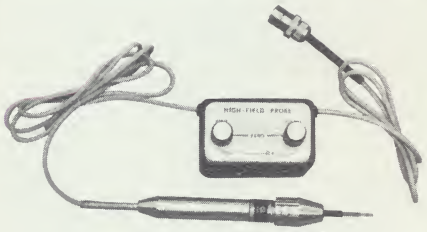
GAUSSMETERS	FEATURES	RANGES / ACCURACY	FREQ. RESPONSE / POWER REQ.	SIZE — SHIP. WT. / OUTPUT VOLTAGE	PROBES (Typical)
DIGITAL Model 660	• Digital Readout, Analog Output • 2 Parts in 10^5 Ultimate Resolution • Temperature Compensated Probe	6 Ranges: 1 to 100,000G Full Scale ±¼% to 10kG ±1% to 30kG	*Static and slowly varying fields only 110/220 V ac line power	6″ x 17″ x 12″ 29 lbs. 1V FS	**T-6610
AC FIELD Model 350	• Direct readout of ac fields • Frequency Bandwidth Control • Spectrum Analysis Possible	10 Ranges: 0.1 to 3,000G Full Scale ±1% FS Plus Cal Accuracy	ac Fields 9 to 30,000Hz Battery	6″ x 13″ x 7″ 12 lbs. 1V rms FS	**T-3502
INCREMENTAL Model 240	• 100X Scale Expansion • 1 Part in 10^4 Ultimate Resolution • 5V dc Auxiliary Output Available	12 Ranges: 0.1 to 30,000G Full Scale ±1% FS to 10kG	*dc Fields to 400Hz w/Mod. Kit 110/220 V ac line power	7″ x 12″ x 14″ 24 lbs. 2V dc FS and 2 to 5V dc adjustable at auxiliary output.	**T-2402
HIGH SENSITIVITY Model 120	• Sensitivity of .1 Gauss FS • Long Term Stability • Self-calibrating	12 Ranges: 0.1 to 30,000G Full Scale ±1% FS to 10kG	*dc Fields to 400Hz w/Mod. Kit 110/220 V ac line power	7″ x 12″ x 13″ 20 lbs. 300mV FS	**T-1202
PORTABLE Model 110A 	• Solid State • ac Line or Battery Operated • Zero Center Meter	10 Ranges: 1 to 30,000G Full Scale ±2% FS to 10kG	*dc Fields to 400Hz 110/220 V ac line power or battery	8″ x 11″ x 6″ 8½ lbs. 100mV FS	**T-1102
HIGH FIELD Model 300 	• Measures dc Fields to 30kG • Extended Range (100kG) • 2½% Accuracy to 30kG	6 Ranges: 300G to 30kG FS w/Extended Range ±1% FS to 10kG ±2½% to 30kG	*dc Fields to 3,000Hz 110/220 V ac line power or battery	6″ x 13″ x 7″ 12 lbs. 10 mV dc FS approx.	**T-3002
GENERAL PURPOSE Model 150 	• Battery Operated • Simplicity • Low Cost	5 Ranges: 300 to 30,000G Full Scale ±3% FS to 10kG	dc Battery	7″ x 10″ x 5″ 8½ lbs. (none)	**T-1502

*Direct readout of static (dc) fields only. Time-varying (ac) and static (dc) fields response available at output jacks.

**Probes: A wide variety of standard and special probes is available. Write for a complete catalog or assistance with your application.

Leaders in Hall effect instruments and components

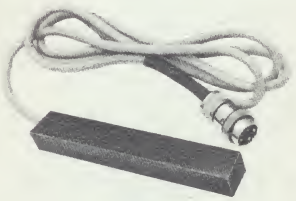
SPECIAL PROBES
HALL-PAK® HALL GENERATORS



HIGH-FIELD PROBE

Uses high-linearity Hall generator to obtain direct scale readings from 1 to 30,000 gauss to an accuracy of ±2% when used with Bell 120 or 240 Gaussmeter. An outstanding feature is the individual calibration curve on each unit that provides correction information necessary to attain an accuracy of ±0.5%. Used with Bell Model 240 Incremental Gaussmeter, it will provide incremental measurements to 24,000 gauss. Each probe assigned a calibration constant to facilitate calibration without calibration magnet.

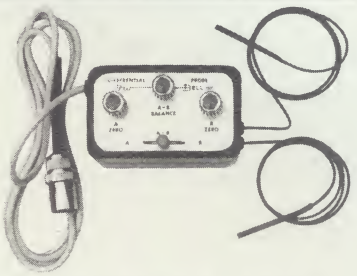
High-Field Transverse Probes:	Gaussmeter Model:
HFT-1201	120
HFT-1202	120
HFT-1203	120
HFT-2401	240
HFT-2402	240
HFT-2403	240
High-Field Axial Probes:	**Gaussmeter Model:**
HFA-1201	120
HFA-2401	240



MAGNA-PROBE

Uses high-sensitivity Hall generator in a flux concentrator type field probe to increase sensitivity of Bell Gaussmeters by 100 times. Provides 8 ranges from .001 gauss, full scale, to a maximum of 3 gauss, full scale. Designed to be used in large (3 cu. ft. min.) low gradient fields. Used with Model 350 AC Gaussmeter, it will measure very small ac fields from 10Hz to 5kHz and analyse them into individual frequency components. Each unit factory-calibrated and assigned a calibration number, eliminating necessity for calibration field. Probe is 6″ long x ¾″ x ¾″, with 5′ cable.

Probe Model:	Gaussmeter Model:
M-1101	110A
M-1201	120
M-2401	240
M-3501	350



DIFFERENTIAL PROBE

Uses two new ultra-stable Hall generators which have matched characteristics. Elements are used independently for absolute measurements and in series opposition for differential measurements. A magnetic field differential between the two elements of only 1% of absolute field provides full-scale deflection and resolution of 1 part in 10,000. Magnetic field gradients or differences can be measured over distance varying from a few thousandths of an inch up to 40 inches and in any direction or plane. Each of two Hall generators is encapsulated in a ceramic package at the end of 20″ plastic tubing for maximum protection. Dimensions at location of element are .235″ wide, .040″ thick and 2″ long over these dimensions.

Probe Model:	Gaussmeter Model:
D-1201	120
D-2401	240

Hall-Pak® HALL GENERATORS

		OPEN CIRCUIT HALL VOLTAGE V_{HOC}, mV ±25% (AT NOMINAL I_C, B = 10kG)	RESISTIVE NULL VOLTAGE V_M, μV MAX (B = 0, I_C = 100mA)	INPUT RESISTANCE R_{IN}, Ω (INCLUDING LEADS)	OUTPUT RESISTANCE R_{OUT}, Ω (INCLUDING LEADS)	NOMINAL CONTROL CURRENT I_C, mA	LENGTH/WIDTH/THICK. OR DIAM./LENGTH (inch)
BH200 BH202	BH-200 General Purpose Transverse	150	100	1.5	1.0	150	.500/.130/.019
	BH-201 Ultra-Thin Transverse	120	250	2.3	1.8	100	.625/.135/.006
BH201 BH203	BH-202 Small Axial	100	100	2.6	1.8	100	.130 diam /.150
	BH-203 General Purpose Axial	100	100	1.9	1.3	100	.195 diam /.175
BH204 BH205	BH-204 Midget Axial	110	200	2.3	1.9	100	.100 diam /.150
	BH-205 Midget Transverse	130	100	2.1	1.4	125	.375/.080/.015
BH206	BH-206 High Sensitivity Transverse	550	500	5	3.5	200	.750/.225/.030
BH207 BH208	BH-207 High Resolution Tangential	160	200	2	1.5	150	.500/.145/.045
	BH-208 Ultra Midget Axial	100	250	2.7	1.9	100	.063 diam /.170
BH700 BH701	BH-700 Low Cost Transverse	500	750	5	4	200	.200/.250/.023
	BH-701 High Linearity Transverse (Note 1)	75	75	2	1.5	100	.625/.230/.040
BH702 BH703	BH-702 Ferrite Imbedded	(Note 2)	250	3.5	3	200	.300/.200/.083
	BH-703 3-Axis	75	100	1.5	1.5	100	.285 diam /.750

Note 1: Hall voltage (V_H) vs. B field, { ±.25% of reading from −10 kG to +10kG ; ±1% of reading from −30 kG to +30kG } Linearity curves furnished for −10 kG to +10kG and −30 kG to +30kG. Optimized curves for other ranges available on special order.

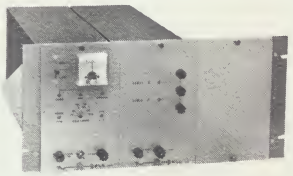
Note 2: In a free field of 100 gauss the open circuit Hall voltage is 9 mV min. In a closed magnetic circuit, minimum sensitivity is 3.2 mV/ampere-turn.

Leaders in Hall effect instruments and components

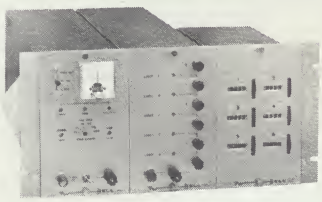
F.W. BELL INC.

MAGNET PROCESSING SYSTEMS
NONDESTRUCTIVE TESTING INSTRUMENTS

HS-6002 — One adjustable limit for categorizing magnets into two groups. Range: 0.1 to 30,000G. Solid state. Single cabinet.



HS-6003 — Two adjustable limits for sorting magnets into three groups. Range: 0.1 to 30,000G. Solid state. Rack-mounted.



HS-6007 — Five adjustable limits for sorting magnets into six groups. Range: 0.1 to 30,000G. Solid state. Rack-mounted.

MAGNET PROCESSING SYSTEMS

The HS series Magnet Testing and Inspection Equipment measures magnetic flux density to a repeatability of 0.1%. Uses Hall element placed in field of magnet or magnetic structure and provides both visual light indication and relay contact closure at adjustable pass-reject point. Pass-reject point may be adjusted anywhere on full-scale ranges of ±1%, ±2%, ±5%, ±10%, ±20% or ±100% of field used to set the limits. Systems with one (1), two (2), or five (5) adjustable limits are available which may be used for "grading" magnets into 2, 3 or 6 categories with visual indication for each category. Relay contact closure may be used to mechanically reject magnet or cut off demagnetizing current at pre-set point. Accessory panel is available with electromechanical counters which count number of magnets in each range. The series utilizes all solid state circuitry designed for reliable, trouble-free operation.

MODEL NO.	DESCRIPTION	SHIP. WT.	DIMENSIONS
HS-6002	One adjustable limit. 2 groups (High and Low) with light & relay for each group. Single cabinet.	20 lbs.	8 1/16" high, 5 1/2" wide, 16 1/2" deep
HS-6003	Two adjustable limits. 3 groups (High, Low & one between limits) with light and relay for each group. Rack panel mounted.	36 lbs.	8 1/16" high, 19" wide, 16 1/2" deep
HS-6004	Five adjustable limits. 6 groups with light and relay for each group. Rack panel mounted.	38 lbs.	8 1/16" high, 19" wide, 16 1/2" deep
HS-6005	Same as HS-6002 with 4-digit counter for each group. Rack panel mounted.	30 lbs.	8 1/16" high, 19" wide, 16 1/2" deep
HS-6006	Same as HS-6003 with 4-digit counter for each group.	42 lbs.	8 1/16" high, 19" wide, 16 1/2" deep
HS-6007	Same as HS-6004 with 4-digit counter for each group.	44 lbs.	8 1/16" high, 19" wide, 16 1/2" deep
	Send for complete specifications on above models and quotation for your special requirements.		

Model 1090—*Absolute* direct magnetic vector readout over a frequency range from 20 to 100,000 Hz. Vector phase plane analysis can be performed in materials evaluation on both magnetic and nonmagnetic metals. Complete instrument standardization is quickly performed without reference to any test material standards.

NONDESTRUCTIVE TESTING INSTRUMENTS

Magnetic Reaction Analyzers*

Absolute and differential-reading eddy current instruments that permit noncontacting measurement of magnetic and electrical properties of metallic materials. Hall elements (not coils) are used as magnetic detectors, which in addition to high sensitivity, offer two unique features to eddy current testing. First, they represent point-sensitive detectors in a comparatively large excitation field, so that high resolution and low lift-off are both achieved, a characteristic vital to production eddy current testing, yet seldom realized. Second, Hall elements are not frequency-sensitive and as a detector have linear response at all test frequencies and all test speeds. These characteristics make it possible to take full advantage of a constant amplitude magnetizing field at all test frequencies. High resolution eddy current testing can now be practical in an industrial environment.

Model 1290 — *Differential* readout for inspection and process control applications with a frequency range from 20 to 20,000 Hz. High sensitivity comparison testing, accurate edge and weld tracking, and critical defect detection can be performed. Features plug-in, high-attenuation filter modules for noise-free performance in an industrial environment and simplified controls for easy operation.

Model 1390 — *Differential* capabilities as described above can be added to the absolute reading Model 1090 with this accessory unit.

Probes: **MRP-001 Standard** — 1 3/8" diameter
MRP-011 Standard — 5/16" diameter
MRP-201 Differential — 1 3/8" diameter
MRP-211 Differential — 5/16" diameter

Probes: A wide variety of standard and special probes is available. Write for a complete catalog or assistance with your application.

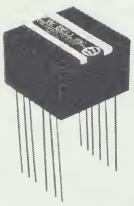
*Patent Pending

Leaders in Hall effect instruments and components

F.W. BELL INC.

HALL-PAK® MULTIPLIERS
WATTMETER TRANSDUCERS
WIDEBAND WATTMETERS

Standard
HM-3000
Series



Economy
Package
HQ-3100 &
HQ-4100
Series

High Frequency
HM-4000
Series

High Current
HM-3500 &
HM-4500
Series

HALL-PAK® MULTIPLIERS

Solid state units consisting of a Hall element located in the gap of a magnetic core with two identical field coils. Designed to provide an output voltage which is instantaneously proportional to the product of two independent dc or ac input currents within 0.7% FS or better.

Typical Applications: analog multiplier, dc to ac convertor, chopper, dc isolator, magneto-electronic switch, function generator, squarer, level regulator, modulator, dc or ac power measuring transducer, torque measuring transducer.

Hall-Pak® Multiplier Series	Max. Field Input Ranging From	Max. Hall Input	Max. Hall Output	Packaging & Terminal Arrangement				Practical Freq. Range	
				Weight	Dimensions	Case	Terminals	Hall Input	Field Input
HM-3000	15mA to 3A	.33A	>200mV	6 oz	2" x 1¾" x 1¼"	Sealed Steel	Plug in Header	dc to 500kHz	dc to 1kHz
HQ-3100	15mA to 3A	.33A	>200mV	4½ oz	1 11/16" x 1⅝" x 1 1/16"	Phenolic	Leads on .1" grid	dc to 500kHz	dc to 1kHz
HM-3500	5A to 40A	.33A	> 200mV	12 oz	3" x 3" x 1½"	Steel/ Phenolic	Screw	dc to 500kHz	dc to 1kHz
HM-4000	50mA to 2.5A	.30A	>50mV	3 oz	1¼" diam x 1⅞"	Sealed Steel	Plug in Header	dc to 500kHz	dc to 500kHz
HQ-4100	50mA to 2.5A	.30A	>50mV	3 oz	1 11/16" x 1⅝" x 1 1/16"	Phenolic	Leads on .1" grid	dc to 500kHz	dc to 500kHz
HM-4500	5A to 40A	.30A	> 50mV	12 oz	3" x 3" x 1½"	Steel/ Phenolic	Screw	dc to 500kHz	dc to 500kHz

Complete specifications on 64 different models in these series available upon request.

HP-5000
Series

HX-5000
Series

HALL-PAK® WATTMETER TRANSDUCERS

Solid state units consisting of a Hall-Pak® multiplier combined with a potential transformer. Designed to provide an output voltage which is instantaneously proportional to real power within 0.5% FS or better.

Model	Nominal Ranges W	V	A	Common Specifications	HP-5000 Series	HX-5000 Series
HP-5000 Series, sealed steel case, 50 Hz to 400 Hz, single phase				Frequency range and phase:	50 Hz to 400 Hz, 1 ∅	50 Hz to 60 Hz, 1 ∅
				Current burden:	<0.6 VA at 60 Hz	<2.5 VA at 60 Hz
				Voltage burden:	<1 VA	<1 VA
HP-5100[1]	500	120	5	Output at nominal power:	>50 mV dc at 50 Ω	>50 mV dc at 50 Ω
HP-5110	1000	120	10	Linearity:	<±0.25% FS	<±0.5% FS
HP-5120	2000	120	20	Temperature influence, 0°C to +50°C:	<±0.5%	<±0.5%
HX-5000 Series, phenolic case, 50 Hz to 60 Hz, single phase				Power factor influence, PF ±70%:	<1%	<1%
				Frequency influence:	−2% at 400 Hz	—
HX-5000	500/1000	120	5/10	Packaging:	Sealed steel case	Phenolic case
HX-5010	1000/2000	120	10/20		3⅜ x 1¾ x 1¼	2½ x 1¾ x 1¾
HX-5020	2000/4000	120	20/40	Weight:	12 oz.	12 oz.
				Terminals	Solder terminal header	4" leads
				[1] Formerly Model HP-5000	9-pin plug-in header	

Complete specifications on these models available upon request. Units for different ranges of frequency, current and voltage, and transducers for dc power can be supplied.

Specifications are subject to change without notice

WIDEBAND WATTMETER — MODEL HPM-501

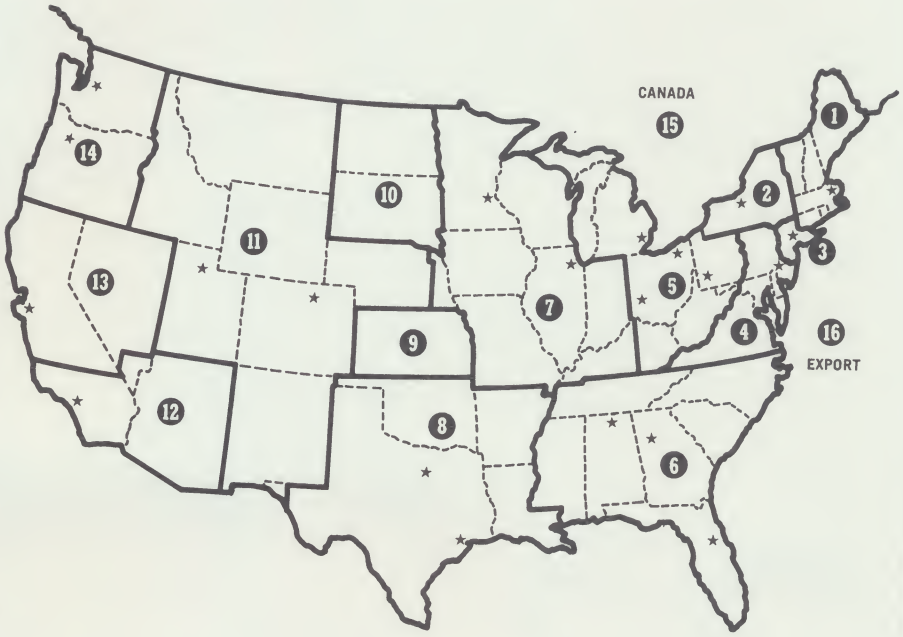
A versatile instrument to measure power at audio and ultrasonic frequencies with an accuracy of ±2% FS. The external output voltage is instantaneously proportional to real power and can be used for recording, oscilloscope display or control purposes.

Frequency ranges:	40 Hz to 4000 Hz 0.5 kHz to 50 kHz
Power ranges:	100, 300, 1000, 3000 W
Voltage ranges:	100 V and 300 V rms
Current ranges:	1 A and 10 A rms
External output:	10 mV FS
Dimensions:	6¼" x 9¼" x 4¾"
Shipping weight:	6 lbs.

Leaders in Hall effect instruments and components

F.W. BELL INC.

SALES REPRESENTATIVES



1 ELECTRONIC COMPONENTS & SERVICES
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TWX: 617-894-9857

2 LABTRONICS, INC.
161 Pickard Bldg., Syracuse, N.Y. 13211
Phone: 315-454-9314

3 CANE TECHNICAL SALES, INC.
555 E. Boston Post Rd.,
Mamaroneck, N. Y. 10543
Phone: 914-698-4411

4 TYLER GRIFFIN COMPANY
46 Darby Rd., Paoli, Pennsylvania 19301
Phone: 215-647-1550

5 WKM ASSOCIATES, INC.
90 Clairton Blvd., Pittsburgh, Pa. 15227
Phone: 412-892-2953;
TWX: 412-525-2356

6741 Ridge Rd., Cleveland. Ohio 44129
Phone: 216-885-5616;
TWX: 216-845-2304

1474 East Outer Drive,
Detroit, Mich. 48234
Phone: 313-892-2500

6085 Far Hills Ave., Dayton Ohio 45459
Phone: 513-298-7203;
TWX: 513-944-0280

6 PHYSIMETRICS
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Rd., N.E., Atlanta, Ga. 30326
Phone: 404-237-8278

P.O. Box 536, 502 Selkirk Dr.,
Winter Park, Fla. 32789
Phone: 305-647-5722

2105 Dogwood Lane,
Huntsville, Ala. 35810
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7 R. EDWARD STEMM, INC.
5681 W. Lake St., Chicago, Ill. 60644
Phone: 312-379-2700;
TWX: 312-265-1344

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Phone: 612-822-8404

8 CAREY-WOLF COMPANY
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Phone: 817-738-1702 (Ft. Worth),
214-823-5383 (Dallas)
TWX: 817-891-8203

Box 60338, Houston, Texas 77060
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TWX: 713-571-1123

9 F. W. BELL, INC.
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10 F. W. BELL, INC.
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11 GORDON MOSS ELECTRONICS, INC.
Box J, Greeley, Colorado 80632
Phone: 303-353-1452

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325 Maritime Bldg., Seattle, Wash. 98104
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TWX 614-759-0193

Form No. BPL466 Litho in U.S.A.

F.W. BELL INC.

HALL EFFECT INSTRUMENTS PRICE LIST

INSTRUMENTS

Model 150 Gaussmeter.....$210.00
(includes Transverse Probe)
T-1501 Transverse Probe.....75.00
T-1502 Transverse Probe.....75.00
A-1501 Axial Probe.....85.00

Model 110A Gaussmeter.....$360.00
T-1101 (YA-147) Transverse Probe.....90.00
T-1102 (YA-147-1) Transverse Probe...90.00
T-1103 (YA-147-2) Transverse Probe..110.00
A-1101 (YA-148) Axial Probe.....100.00
M-1101 Magna-Probe.....180.00

Model 120 Gaussmeter.....$500.00
T-1201 (YA-47) Transverse Probe.....90.00
T-1202 (YA-47-1) Transverse Probe....90.00
T-1203 (YA-47-2) Transverse Probe...110.00
A-1201 (YA-48) Axial Probe.....100.00
M-1201 Magna-Probe.....180.00
HFT-1201 High Field Probe.....180.00
HFT-1202 High Field Probe.....180.00
HFT-1203 High Field Probe.....200.00
HFA-1201 High Field Probe.....190.00
D-1201 Differential Probe.....375.00
YA-129 400 Hz Filter Kit.....50.00
Model 120 with Zero Center Meter....535.00

Model 240 Gaussmeter.....$900.00
T-2401 (YA-247) Transverse Probe.....90.00
T-2402 (YA-247-1) Transverse Probe...90.00
T-2403 (YA-247-2) Transverse Probe..110.00
A-2401 (YA-248) Axial Probe.....100.00
M-2401 Magna-Probe.....180.00
HFT-2401 High Field Probe.....180.00
HFT-2402 High Field Probe.....180.00
HFT-2403 High Field Probe.....200.00
HFA-2401 High Field Probe.....190.00
D-2401 Differential Probe.....375.00
YA-478 400 Hz Filter Kit.....50.00
Model 240 with Zero Center Meter....935.00

Model 300 Gaussmeter.....$285.00
T-3011 Transverse Probe (10 kG) 90.00
T-3031 Transverse Probe (30 kG) 90.00
T-3013 Transverse Probe (10 kG) 90.00
T-3033 Transverse Probe (30 kG) 90.00
A-3011 Axial Probe.....105.00
A-3031 Axial Probe.....105.00

Model 350 Gaussmeter.....$900.00
T-3503 Transverse Probe.....140.00
A-3501 Axial Probe.....150.00
M-3501 Magna-Probe.....180.00

INSTRUMENTS

Model 660 Gaussmeter.....$1490.00
T-6610 Transverse Probe (10 kG, Temperature Compensated).....280.00
T-6611 Transverse Probe (10 kG, Not Compensated).....170.00
T-6630 Transverse Probe (30 kG, TC)..280.00
T-6631 Transverse Probe (30 kG, NC)..170.00
A-6610 Axial Probe (10 kG, TC).....290.00
A-6611 Axial Probe (10 kG, NC).....180.00
A-6630 Axial Probe (30 kG, TC).....290.00
A-6631 Axial Probe (30 kG, NC).....180.00

Probe Linearity Deviation Curve (provided no charge with 300, 660 and High Field probes).....25.00
Probe Temperature Dependence Curve.....25.00
Rack Mounting--Gaussmeters, MRA.....75.00

RS-1 Power Supply.....$95.00

HPM-501 Wideband Wattmeter.....$325.00

HS-6002 Magnet Tester.....$1230.00*
HS-6003 Magnet Tester.....1780.00*
HS-6004 Magnet Tester.....2210.00*
HS-6005 Magnet Tester.....1340.00*
HS-6006 Magnet Tester.....1910.00*
HS-6007 Magnet Tester.....2390.00*
*Prices do not include Hall element

Model 1090 Magnetic Reaction Analyzer.....$2775.00
MRP-001 Standard Probe (1-3/8" OD coil).....235.00
MRP-011 Standard Probe (5/16" OD coil).....340.00
MRP-002 Standard Probe (2-1/2" OD coil).....255.00
MRP-003 Standard Probe (5" OD coil).....275.00
Model 1290 Differential Magnetic Reaction Analyzer.....$3500.00
Model 1390 Accessory Differential Magnetic Reaction Analyzer.....$1700.00
MRP-201 Differential Probe (1-3/8")..675.00
MRP-211 Differential Probe (5/16")...925.00

MRF-(*) Frequency Module.....225.00
MRP-JB Junction Box.....75.00
HU-7004 Limit Unit (2 limits).....550.00
HU-7005 Limit Unit (5 limits).....980.00
*Note Frequency Desired

F.O.B.: Columbus, Ohio TERMS: Net 30 Days
Prices do not include taxes; subject to change without notice.

15 MAY 66

PRICE LIST

HALL EFFECT ACCESSORIES AND COMPONENTS

ACCESSORIES

YA-111 Zero Gauss Chamber.....$8.00
YA-300 Probe Holding Fixture.....35.00
Extra Instruction Manual.....2.00

CALIBRATION MAGNETS

VA-067 Axial Magnet, 300 G.....$45.00
VA-068 Axial Magnet, 100 G.....45.00
VA-070 Transverse Magnet, 300 G.....55.00
VA-071 Transverse Magnet, 1 kG.....55.00
VA-072 Transverse Magnet, 3 kG.....55.00
VA-073 Transverse Magnet, 10 kG.....80.00
VA-074 Transverse Magnet, 14 kG.....80.00

Report of NBS Traceability
(Transverse magnets only).....50.00

Recalibration, transverse or axial.....15.00

HALL-PAKS
(Quantity 1-9)

BH-200 Hall-Pak.....$34.00
BH-201 Hall-Pak.....200.00
BH-202 Hall-Pak.....75.00
BH-203 Hall-Pak.....34.00
BH-204 Hall-Pak.....100.00
BH-205 Hall-Pak.....100.00
BH-206 Hall-Pak.....15.75
BH-207 Hall-Pak.....125.00
BH-208 Hall-Pak.....300.00
BH-700 Hall-Pak.....10.75
BH-701 Hall-Pak.....100.00
BH-702 Hall-Pak.....35.00
BH-703 Hall-Pak.....575.00

Model 700 Hall-Pak Kit.....21.95

F.O.B.: Columbus, Ohio TERMS: Net 30 Days

Prices do not include taxes.

Prices subject to change without notice.

Prices on special designs available upon request.

HALL-PAK MULTIPLIERS
(Quantity 1-9)

HM-3000 Series

HM-3010, -3020, -3030, -3040, -3050..$69.50
HM-3011, -3021, -3031, -3041, -3051...49.50
HM-3012, -3022, -3032, -3042, -3052...63.00
HM-3013, -3023, -3033, -3043, -3053...44.00

HQ-3100 Series

HQ-3110, -3120, -3130, -3140, -3150..$49.90
HQ-3111, -3121, -3131, -3141, -3151...41.10
HQ-3112, -3122, -3132, -3142, -3152...45.20
HQ-3113, -3123, -3133, -3143, -3153...36.40

HM-3500 Series

HM-3500, -3520, -3540.....$69.50
HM-3501, -3521, -3541.....49.50

HM-4000 Series

HM-4030, -4050, -4070.....$79.50
HM-4031, -4051, -4071.....59.50

HQ-4100 Series

HQ-4130, -4150, -4170.....$55.60
HQ-4131, -4151, -4171.....46.80

HM-4500 Series

HM-4500, -4520, -4540.....$79.50
HM-4501, -4521, -4541.....59.50

HALL-PAK TRANSDUCERS
(Quantity 1-9)

HP-5000 Series Wattmeter Transducers

HP-5000, -5100, -5110, -5120.....$95.50
HP-5001, -5101, -5111, -5121.....74.50

HX-5000 Series Wattmeter Transducers

HX-5000, -5010, -5020.....$66.50
HX-5001, -5011, -5021.....54.50
HX-5002, -5012, -5022.....77.50
HX-5003, -5013, -5023.....68.10
HX-5004, -5014, -5024.....77.50
HX-5005, -5015, -5025.....68.10

Write for quantity prices on Hall-Paks, Multipliers and Transducers.

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